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TEST REPORT ON COARSE AGGREGATES 20mm ↓ Graded Ref:IS:383/2386

Name of the Client	AEE, Vidyaranyapura Sub Division, BBMP
Name of Work	Improvements to roads, drains and construction of culverts at MS Palya 2nd stage Masidhi main road and Cross roads in Ward No.11 (Kuvempunagara),Vidyaranyapura Sub Division
Agency Name	Sri. P. Kumaraswamy

Sample	Date of Testing	Specific Gravity	Absorption in %	IS Sieve Designation (mm)	Sieve Analysis (% Passing IS Sieve)	Grading Requirement As Per IS 383-1970	Remarks
20mm Down Graded	24/02/2014	2.61	0.33	**40**	100	**100**	Satisfies The Requirement
				20	98	**95-100**	
				10	43	**25-55**	
				4.75	8	**0-10**	

Note:

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4. The results are based on the test conducted on samples supplied by the client.

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Civil Tech Labs

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TEST REPORT ON COARSE AGGREGATES 40mm ↓ Graded Ref:IS:383/2386

Name of the Client	AEE, Vidyaranyapura Sub Division, BBMP
Name of Work	Improvements to roads, drains and construction of culverts at MS Palya 2nd stage Masidhi main road and Cross roads in Ward No.11 (Kuvempunagara),Vidyaranyapura Sub Division
Agency Name	Sri. P. Kumaraswamy

Sample	Date of Testing	Specific Gravity	Absorption in %	IS Sieve designation (mm)	Sieve Analysis (% Passing IS Sieve)	Grading Requirement As Per IS 383-1970	Remarks
40mm Down Graded	24/02/2014	2.65	0.29	**80**	100	**100**	Satisfies The Requirements
				40	97	**95-100**	
				20	61	**30-70**	
				10	29	**10-35**	
				4.75	4	**0-5**	

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TEST REPORT ON CEMENT

Name of the Client	AEE, Vidyaranyapura Sub Division, BBMP
Name of Work	Improvements to roads, drains and construction of culverts at MS Palya 2nd stage Masidhi main road and Cross roads in Ward No.11 (Kuvempunagara),Vidyaranyapura Sub Division
Agency Name	Sri. P. Kumaraswamy

Tests on Cement	Test Date	Tests	Test Method As Per IS & Apparatus		Results		Requirements As Per IS 8112 1989	Remarks
			IS Code	Method	Value	Unit		
	24/02/2014	Initial Setting Time	**IS-4031 (Part-5) 1988**	VICAT	51	min	Not Less Than 30 Minutes	Satisfies Requirement
		Final Setting Time	**IS-4031 (Part-5) 1988**	VICAT	499	min	Not More Than 600 Minutes	Satisfies Requirement
		Soundness	**IS-4031 (Part-3) 1988**	LE-CHATELIER	2	mm	Not More Than 10 mm	Satisfies Requirement

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TEST REPORT ON FINE AGGREGATES Ref:IS:383/2386

Name of the Client	AEE, Vidyaranyapura Sub Division, BBMP
Name of Work	Improvements to roads, drains and construction of culverts at MS Palya 2nd stage Masidhi main road and Cross roads in Ward No.11 (Kuvempunagara),Vidyaranyapura Sub Division
Agency Name	Sri. P. Kumaraswamy

Sample	Date of Testing	Specific Gravity As Per IS: 2720 Part 3 - 1970	IS Sieve designation (mm)	Sieve Analysis (% Passing IS Sieve)	Grading Requirement As Per IS 383-1970				Grading Zone
					ZONE-I	ZONE-II	ZONE-III	ZONE-IV	
Fine Aggregates	24/02/2014	2.56	10	100	100	100	100	100	II
			4.75	99	90-100	90-100	90-100	95-100	
			2.36	87	60-95	75-100	85-100	95-100	
			1.18	78	30-70	55-90	75-100	90-100	
			0.6	42	15-34	35-59	60-79	80-100	
			0.3	18	5-20	8-30	12-40	15-50	
			0.15	8	0-10	0-10	0-10	0-15	

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ವಿದ್ಯಾರಣ್ಯಪುರ ಉಪ ವಿಭಾಗ
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TEST REPORT ON CONCRETE CUBES

Name of the Client	AEE, Vidyaranyapura Sub Division, BBMP
Project	Improvements to roads, drains and construction of culverts at MS Palya 2nd stage Masidhi main road and Cross roads in Ward No.11 (Kuvempunagara),Vidyaranyapura Sub Division
Agency	Sri. P. Kumaraswamy
Grade of Concrete	M-15
No. of cubes tested	3
Dimension of Specimen	150mmx150mmx150mm
Cross Sectional Area	22500 Sq.mm
Technical Reference	IS: 516-1959(Reaffirmed 2004)

Sl.No	Identification	Date of Casting	Date of Testing	Age at test (Days)	Weight (Kg)	Failure Load (KN)	Compressive Strength (N/Sq.mm)	Avg Compressive Strength (N/Sq.mm)
1	CC Work	25/02/2014	25/03/2014	28	8.18	360	16.00	15.85
2					8.14	358	15.91	
3					8.13	352	15.64	

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TEST REPORT ON REINFORCEMENT STEEL BARS 12mm

Name of the Client	AEE, Vidyaranyapura Sub Division, BBMP
Name of Work	Improvements to roads, drains and construction of culverts at MS Palya 2nd stage Masidhi main road and Cross roads in Ward No.11 (Kuvempunagara),Vidyaranyapura Sub Division
Agency Name	Sri. P. Kumaraswamy
Date of Test	24/02/2014

Sl.No.	Description	Result	IS 1786-1985 Min. Requirements	Remarks
1	Measured Diameter mm	12	12	Satisfactory
2	Wt/m Length (Kg/m)	0.889	0.888	Satisfactory
3	Bend & RebendTest	Pass	Should not Crack or Fracture	Satisfactory
4	Elongation (%)	15.2	14.5	Satisfactory
5	Yield Stress(N/Sq.mm)	423	415	Satisfactory
6	U T S (N/Sq.mm)	529	485	Satisfactory

Note:

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TEST REPORT ON REINFORCEMENT STEEL BARS 16mm

Name of the Client	AEE, Vidyaranyapura Sub Division, BBMP
Name of Work	Improvements to roads, drains and construction of culverts at MS Palya 2nd stage Masidhi main road and Cross roads in Ward No.11 (Kuvempunagara),Vidyaranyapura Sub Division
Name of the Agency	Sri. P. Kumaraswamy
Date of test	24/02/2013

Sl.No.	Description	Result	IS 1786-1985 Min. Requirements	Remarks
1	Measured Diameter mm	16	16	Satisfactory
2	Wt/m Length (Kg/m)	1.59	1.58	Satisfactory
3	Bend & RebendTest	Pass	Should not Crack or Fracture	Satisfactory
4	Elongation (%)	15.9	14.5	Satisfactory
5	Yield Stress(N/Sq.mm)	424	415	Satisfactory
6	U T S (N/Sq.mm)	530	485	Satisfactory

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TEST REPORT ON CONCRETE CUBES

Name of the Client	AEE, Vidyaranyapura Sub Division, BBMP
Project	Improvements to roads, drains and construction of culverts at MS Palya 2nd stage Masidhi main road and Cross roads in Ward No.11 (Kuvempunagara),Vidyaranyapura Sub Division
Agency	Sri. P. Kumaraswamy
Grade of Concrete	M-20
No. of cubes tested	3
Dimension of Specimen	150mmx150mmx150mm
Cross Sectional Area	22500 Sq.mm
Technical Reference	IS: 516-1959(Reaffirmed 2004)

Sl.No	Identification	Date of Casting	Date of Testing	Age at test (Days)	Weight (Kg)	Failure Load (KN)	Compressive Strength (N/Sq.mm)	Avg Compressive Strength (N/Sq.mm)
1	CC Work	26/02/2014	26/03/2014	28	8.09	480	21.33	21.93
2					8.15	505	22.44	
3					8.12	495	22.00	

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